

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|--|------------------|---------|------------------|
| L1 | 34 | ((YIFAN) near2 (GONG)).INV. | US_PGPUB; USPAT; USOOR | OR | ON | 2008/05/20 14:54 |
| L2 | 8 | ((ALEXIS) near2 ((BERNARD)).INV. | US_PGPUB; USPAT; USOOR | OR | ON | 2008/05/20 14:54 |
| L3 | 5 | ((YIFAN) near2 (GONG)).INV. | EPO; JPO; DERWENT | OR | ON | 2008/05/20 14:54 |
| L4 | 0 | ((ALEXIS) near2 ((BERNARD)).INV. | EPO; JPO; DERWENT | OR | ON | 2008/05/20 14:54 |
| L5 | 30397 | ("704").CLAS. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/05/20 14:54 |
| L6 | 871 | (704/226).CCLS. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/05/20 14:54 |
| L7 | 48 | utterance adj detector | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L8 | 473 | noise adj (estimate or approximate or estimation or approximation) and (autocorrelation or autocorrelation or "auto correlation") | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L9 | 48 | utterance adj detector | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L10 | 1 | L8 and L9 | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |

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|-----|-------|--|---|----|-----|---------------------|
| L11 | 36780 | periodicity | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L12 | 126 | L11 and L8 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L13 | 30397 | ("704").CLAS. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/05/20 14:54 |
| L14 | 56 | L12 and L13 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L15 | 2 | period near6 ("75 hz" and "400 hz") | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L16 | 0 | periodicity same ("75" and "400") adj hz) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L17 | 0 | periodicity with ("75" and "400") adj hz) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L18 | 0 | peridocity same threshold | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |

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| L19 | 5 | threshold same (maximiz \$3 with speech with (accuracy or accurate or accurately)) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L20 | 4720 | (spectrum or spectral) with (logarithm or log or logarithmic) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L21 | 2828 | (spectrum or spectral) near5(logarithm or log or logarithmic) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L22 | 2828 | (spectrum or spectral) near5 (logarithm or log or logarithmic) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L23 | 38371 | (filter or filtering or filtered) with frequency with time | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L24 | 529 | noise near5 (estimate or estimator or estimating or estimation) with linear | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L25 | 779 | suppress\$3 near5 noise with linear | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L26 | 70404 | suppress\$3 near5 noise | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |

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| L27 | 3 | suppress\$3 near5 noise with (linear adj3 domain) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L28 | 1 | L20 and L23 and L24 and L25 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L29 | 437 | L20 and L23 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L30 | 6 | L20 and L23 and L24 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L31 | 4 | L20 and L23 and L24 and L26 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L32 | 3 | (spectrum or spectral) adj signal with (log or logarithm or logarithmic or logarithmical) with domain | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L33 | 10 | noise near5 (estimate or estimator or estimating or estimation) with (linear adj domain) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L34 | 4 | (estimate or estimation or estimator) same (convert\$3 near5 "linear domain") | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |

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| L35 | 89 | ("log to linear" or "log-to-linear" or (log adj linear)) near5 (convert\$3) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L36 | 32 | (spectrum or spectral) with ((logarithm or log or logarithmic) adj domain) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L37 | 23484 | (remov\$3 or eliminat\$3 or withdraw\$3) with (frequency adj component) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L38 | 19894 | (remov\$3 or eliminat\$3 or withdraw\$3) near5 (frequency adj component) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L39 | 1 | L37 and L36 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L40 | 30397 | ("704").CLAS. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/05/20 14:54 |
| L41 | 533 | L37 and L40 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L42 | 72 | (remov\$3 or eliminat\$3 or withdraw\$3) with (frequency adj component) same log | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |

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| L43 | 127 | (remov\$3 or eliminat\$3 or withdraw\$3) with (frequency adj component) same logarithm\$2 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L44 | 107 | (spectral or spectrum) near5 inverse adj filter\$3 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L45 | 11 | (spectral or spectrum) near5 inverse adj filter\$3 with envelope | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L46 | 12 | (spectral or spectrum) near5 inverse adj filter\$3 same envelope | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L47 | 12 | local adj maxima same (short near5 (spectral or spectrum)) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L48 | 53 | envelope same (estimat\$3 or approximat\$3) same (local adj maxim\$2) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L49 | 14 | inverse adj filter\$3 same (spectral or spectrum) same (subtract\$3) same (estimat\$3 or approximat\$3) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L50 | 3 | spectral adj inverse adj filter\$3 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |

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| L51 | 23 | inverse adj filter\$3 same (spectral or spectrum) same (difference) same (estimat\$3 or approximat \$3) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L52 | 122 | spectral adj valley | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L53 | 40 | spectral adj (reshaping or re-shaping) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L54 | 8 | absar.in. and reshaping | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L55 | 2 | spectral near inverse near filtering | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L56 | 247 | noise near estimate and periodicity | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L57 | 1 | gong.in. and high noise immunity | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/05/20 14:54 |
| L58 | 3 | gong.in. and utterance detector | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/05/20 14:54 |

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| L59 | 1 | 09/667,045 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2008/05/20 14:54 |
| L60 | 1219 | (logarithmic or log) near converter and amplifier | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L61 | 48 | L60 and speech | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L62 | 2167 | (logarithmic or log) near converter | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L63 | 6143 | (logarithmic or log) near amplifier | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L64 | 181 | L62 and L63 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L65 | 120 | L64 and components | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L66 | 18 | L64 and (frequency adj components) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |

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| L67 | 563714 | (frequency adj components) and recurrent filtering | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L68 | 1 | (frequency adj components) and (recurrent adj filtering) | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L69 | 3 | (recurrent adj filtering) | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L70 | 2 | ("5822732").PN. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/05/20 14:54 |
| L71 | 2 | ("20050049863").PN. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/05/20 14:54 |
| L72 | 4 | (inverse near2 filter\$3) same (normal\$4 near3 approx\$7) | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L73 | 5 | (inverse near2 filter\$3) same (log near5 frequency) | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/20 14:54 |
| L74 | 2 | ("6,654,733").PN. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/05/20 14:54 |
| S1 | 31 | ((YI FAN) near2 (GONG)).INV. | US_PGPUB; USPAT; USOOR | OR | ON | 2007/02/13 08:18 |
| S2 | 6 | ((ALEXIS) near2 (BERNARD)).INV. | US_PGPUB; USPAT; USOOR | OR | ON | 2007/02/13 08:18 |

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|-----|-------|---|---|----|-----|---------------------|
| S3 | 5 | ((YIFAN) near2 (GONG)).INV. | EPO; JPO; DERWENT | OR | ON | 2007/02/13 08:19 |
| S4 | 0 | ((ALEX(S) near2 (BERNARD)).INV. | EPO; JPO; DERWENT | OR | ON | 2007/02/13 08:19 |
| S5 | 22920 | ("704").CLAS. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/13 08:20 |
| S6 | 775 | (704/226).OCLS. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/13 09:37 |
| S7 | 46 | utterance adj detector | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/13 13:12 |
| S8 | 398 | noise adj (estimate or approximate or estimation or approximation) and (auto-correlation or auto-correlation or "auto correlation") | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/13 13:21 |
| S9 | 46 | utterance adj detector | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/13 13:14 |
| S10 | 1 | S8 and S9 | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/13 13:16 |
| S11 | 32154 | periodicity | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/13 13:16 |

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|-----|-------|---|---|----|-----|---------------------|
| S12 | 112 | S11 and S8 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/13 13:16 |
| S13 | 22920 | ("704").CLAS. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/13 13:16 |
| S14 | 46 | S12 and S13 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/13 13:17 |
| S15 | 2 | period near 6 ("75 hz" and "400 hz") | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/14 14:39 |
| S16 | 0 | periodicity same (("75" and "400") adj hz) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/14 14:40 |
| S17 | 0 | periodicity with (("75" and "400") adj hz) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/14 14:41 |
| S18 | 0 | periodicity same threshold | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/14 14:41 |
| S19 | 5 | threshold same (maximiz \$3 with speech with (accuracy or accurate or accurately)) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/14 14:50 |

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| S20 | 4187 | (spectrum or spectral) with (logarithm or log or logarithmic) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 15:44 |
| S21 | 2473 | (spectrum or spectral) near5(logarithm or log or logarithmic) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/14 14:52 |
| S22 | 2473 | (spectrum or spectral) near5 (logarithm or log or logarithmic) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/14 14:52 |
| S23 | 35113 | (filter or filtering or filtered) with frequency with time | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/14 14:53 |
| S24 | 442 | noise near5 (estimate or estimator or estimating or estimation) with linear | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/14 14:55 |
| S26 | 691 | suppress\$3 near5 noise with linear | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/14 14:56 |
| S27 | 62930 | suppress\$3 near5 noise | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/14 14:56 |
| S28 | 3 | suppress\$3 near5 noise with (linear adj3 domain) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/14 14:57 |

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| S29 | 1 | S20 and S23 and S24 and S26 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/14 14:58 |
| S30 | 379 | S20 and S23 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/14 14:58 |
| S31 | 6 | S20 and S23 and S24 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/14 14:59 |
| S32 | 4 | S20 and S23 and S24 and S27 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/14 15:29 |
| S33 | 2 | (spectrum or spectral) adj signal with (log or logarithm or logarithmic or logarithmical) with domain | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 10:52 |
| S34 | 9 | noise near5 (estimate or estimator or estimating or estimation) with (linear adj domain) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 10:54 |
| S35 | 3 | (estimate or estimation or estimator) same (convert\$3 near5 "linear domain") | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 11:04 |
| S36 | 75 | ("log to linear" or "log-to- linear" or (log adj linear)) near5 (convert\$3) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 11:05 |

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| S37 | 32 | (spectrum or spectral) with ((logarithm or log or logarithmic) adj domain) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 15:51 |
| S38 | 21317 | (remov\$3 or eliminat\$3 or withdraw\$3) with (frequency adj component) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 16:27 |
| S39 | 18066 | (remov\$3 or eliminat\$3 or withdraw\$3) near5 (frequency adj component) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 15:54 |
| S40 | 1 | S38 and S37 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 15:54 |
| S41 | 22949 | ("704").CLAS. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/15 15:55 |
| S42 | 419 | S38 and S41 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 15:56 |
| S43 | 64 | (remov\$3 or eliminat\$3 or withdraw\$3) with (frequency adj component) same log | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/15 16:51 |
| S44 | 119 | (remov\$3 or eliminat\$3 or withdraw\$3) with (frequency adj component) same logarithm\$2 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/20 10:52 |

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| S45 | 92 | (spectral or spectrum) near5 inverse adj filter\$3 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/20 15:57 |
| S46 | 8 | (spectral or spectrum) near5 inverse adj filter\$3 with envelope | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/20 15:58 |
| S47 | 9 | (spectral or spectrum) near5 inverse adj filter\$3 same envelope | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/20 16:15 |
| S48 | 10 | local adj maxima same (short near5 (spectral or spectrum)) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/20 16:35 |
| S49 | 46 | envelope same (estimat \$3 or approximat\$3) same (local adj maxim \$2) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/20 16:56 |
| S50 | 12 | inverse adj filter\$3 same (spectral or spectrum) same (subtract\$3) same (estimat\$3 or approximat \$3) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/21 08:07 |
| S51 | 3 | spectral adj inverse adj filter\$3 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/21 08:01 |
| S52 | 19 | inverse adj filter\$3 same (spectral or spectrum) same (difference) same (estimat\$3 or approximat \$3) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/21 08:31 |

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| S53 | 103 | spectral adj valley | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/21 08:57 |
| S54 | 27 | spectral adj (reshaping or re-shaping) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/21 08:57 |
| S55 | 8 | absar.in. and reshaping | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/21 09:50 |
| S56 | 2 | spectral near inverse near filtering | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/21 09:54 |
| S57 | 219 | noise near estimate and periodicity | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/21 10:01 |
| S58 | 1 | gong.in. and high noise immunity | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/02/21 15:10 |
| S59 | 3 | gong.in. and utterance detector | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/02/21 15:11 |
| S60 | 1 | 09/667,045 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/02/21 15:11 |

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| S61 | 1183 | (logarithmic or log) near converter and amplifier | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/22 11:19 |
| S62 | 48 | S61 and speech | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/22 11:17 |
| S63 | 2102 | (logarithmic or log) near converter | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/22 11:20 |
| S64 | 5884 | (logarithmic or log) near amplifier | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/22 11:20 |
| S65 | 178 | S63 and S64 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/22 11:20 |
| S66 | 117 | S65 and components | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/22 11:20 |
| S67 | 17 | S65 and (frequency adj components) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/22 11:24 |
| S68 | 500923 | (frequency adj components) and recurrent filtering | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/22 11:24 |

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| S69 | 1 | (frequency adj components) and (recurrent adj filtering) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/22 11:25 |
| S70 | 3 | (recurrent adj filtering) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/22 11:25 |
| S71 | 2 | ("5822732").PN. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/05/15 15:47 |
| S72 | 2 | ("20050049863").PN. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/05/15 16:01 |
| S73 | 4 | (inverse near2 filter\$3) same (normal\$4 near3 approx\$7) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/15 16:16 |
| S74 | 5 | (inverse near2 filter\$3) same (log near5 frequency) | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/15 17:02 |
| S75 | 2 | ("6,654,733").PN. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/05/17 16:29 |

5/ 20/ 2008 3:27:58 PM

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